



Dr. D Y Patil Prathisthan's

## Padmashree Dr. D Y Patil College of Architecture

Akurdi, Pune 411044

### Program Outcomes for M. Arch As per Savitribai Phule University of Pune, 2019 Pattern Syllabus

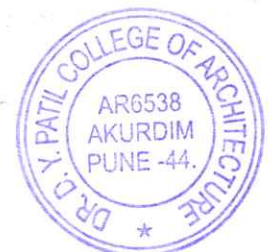
A.Y. 2021-22, Term II

#### PROGRAM OUTCOMES [PO]

1. Manage a quality construction project from start to completion while maintaining budget, schedule, and safety requirements and delight Stakeholders expectations.
2. Evaluate and select computer applications for successful construction management throughout different phases.
3. Apply professional and ethical standards of behaviour in dealing with all stakeholders in the construction process.
4. Deployment of optimum use of resources in the context of environmental sensitivity, and occupational safety.
5. Develop comprehensive construction management plan, also to enable to examine the legal context for successful construction implementation and closeout process.

Sr.No.	Program Outcomes	Subjects in curriculum
1	Manage a quality construction project from start to completion while maintaining budget, schedule, and safety requirements and delight Stakeholders expectations.	CM I, CM II, CM III, Financial Appraisal and Project Funding, Procurement, Quality and Safety Management systems.
2	Evaluate and select computer applications for successful construction management throughout different phases.	Softlab I, Softlab II, Softlab III
3	Apply professional and ethical standards of behavior in dealing with all stakeholders in the construction process.	Introduction to Construction Management, Practical Training **
4	Deployment of optimum use of resources in the context of environmental sensitivity, and occupational safety.	Real Estate Development & Facilities Management, Procurement, Quality and Safety Management systems.
5	Develop comprehensive construction management plan, also to enable to examine the legal context for successful construction implementation and closeout process.	Managing Large Projects - Construction Management Framework at Sites, Contract management and Building Construction Laws, Financial Appraisal and Project Funding.

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### Course Outcome for First Year M. Arch (2019 Pattern)

A.Y. 2021-22, Term II

Subject	Course Outcome No.	CO Code No.	Statement
<b>MARCH201</b> Construction Management - Risk, Communication and	CO1	MARCH201.1	Students will study risk management process through live case study
	CO2	MARCH201.2	Students will learn resource management and its application in a project
	CO3	MARCH201.3	Students will learn complete PIMS relating to a live project
<b>MARCH202</b> Elective II 2019CM202	CO1	MARCH202.1	Student will select and finalise a topic based on their interest areas from the topics prescribed in syllabus
	CO2	MARCH202.2	Students will study research papers to understand and analyze the depth and research problems under their selected topics
	CO3	MARCH202.3	Students will study book case study exercise where they will be exposed to practical aspects of the selected topic
	CO4	MARCH202.4	Students will undergo live case study exercise where they will be exposed to practical aspects of the selected topic
<b>MARCH203</b> Real Estate Development & Facilities Management 2019CM203	CO1	MARCH203.1	Students will study Planning norms for various Services & Utilities
	CO2	MARCH203.2	Students will study organization structures of services management
	CO3	MARCH203.3	Students will study Real estate consultants and their activities,
	CO4	MARCH203.4	Students will study principal functions of real estate participant and stakeholders
	CO5	MARCH203.5	Students will study Real Estate investment, sources and related issues
	CO6	MARCH203.6	Students will study Code of ethics for Real Estate participants.
	CO7	MARCH203.7	Students will study Environmental issues related to Real Estate transactions
<b>MARCH204</b> Advance Building Construction Technology & Services 2019CM204	CO1	MARCH204.1	Students will be exposed to all aspects of precast and pre-stressed concrete
	CO2	MARCH204.2	Students will be exposed to all aspects of prefabricated and offsite technologies
	CO3	MARCH204.3	Students will be introduced to structural system concepts and design process methodology
	CO4	MARCH204.4	Students will be exposed to advanced HVAC system with on site study
	CO5	MARCH204.5	Students will be exposed to advanced electrical/LV and BMS with on live site case study and market survey
	CO6	MARCH204.6	Students will study in group a live case study for Unit 6 topics
<b>MARCH205</b> Research I 2019CM205	CO1	MARCH205.1	Students will study the theory of research
	CO2	MARCH205.2	Students will identify the research area and will develop research proposal
	CO3	MARCH205.3	Student will study the literature and literature sourcing
	CO4	MARCH205.4	Students will study different methods of data collection and sampling

  
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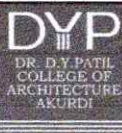


	CO5	MARCH205.5	Students will be exposed to procedure of data analysis and results
	CO6	MARCH205.6	Students will be exposed to procedure of derivation of conclusion
<b>MARCH206 Softlab II 2019CM206</b>	CO1	MARCH206.1	Students will be explore MSP and Primavera softwares
	CO2	MARCH206.2	A project will be executed and completed in the lab for hands on experience
	CO3	MARCH206.3	Student will study implement Cost planning in the project
	CO4	MARCH206.4	Students will understand and learn to cost control in software
	CO5	MARCH206.5	Students will be exposed to site information management through software

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**A.Y. 2021-22, Term II**

Subject	Course Outcome No.	CO Code No.	Statement
<b>MARCH401 Project 2019CM401</b>	CO1	MARCH401.1	Students will finalize the topic of their interest and submit their synopsis
	CO2	MARCH401.2	Students will discuss the preliminary study of their project and develop the methodology for their research
	CO3	MARCH401.3	Student will perform the literature study to understand the research problem
	CO4	MARCH401.4	Students will perform case studies live, book, internet relevant to the topic
	CO5	MARCH401.5	Students will collect data required for their reseach through interviews , surveys, questionnaire, etc
	CO6	MARCH401.6	Students will derive their analysis of study
	CO7	MARCH401.7	Students will derive conclusion based on their resaerch and give recommendations
<b>MARCH402 Elective III 2019CM402</b>	CO1	MARCH402.1	Student will select and finalise a topic based on their interest areas from the topics prescribed in syllabus
	CO2	MARCH402.2	Students will study each aspect of topic in detail and present it in group
	CO3	MARCH402.3	Students will study research papers to understand and analyze the depth and research problems under their selected topics
	CO4	MARCH402.4	Students will study book case study excercise where they will be exposed to practical aspects of the selected topic
	CO5	MARCH402.5	Students will undergo live case study excercise where they will be exposed to practical aspects of the selected topic
	CO6	MARCH402.6	Students will conclude their topic with their outcome of overall study
	CO7	MARCH402.7	

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